

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1625JXC

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 4 AUG 13 CA/Caplus enhanced with additional kind codes for granted patents  
NEWS 5 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records  
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 7 AUG 27 USPATOLD now available on STN  
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 10 SEP 13 FORIS renamed to SOFIS  
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency  
NEWS 12 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998  
NEWS 13 SEP 17 Caplus coverage extended to include traditional medicine patents  
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 15 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt  
NEWS 16 OCT 19 BEILSTEIN updated with new compounds  
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced  
NEWS 18 NOV 19 WPIX enhanced with XML display format  
NEWS 19 NOV 30 ICSD reloaded with enhancements  
NEWS 20 DEC 04 LINPADOCDB now available on STN  
NEWS 21 DEC 14 BEILSTEIN pricing structure to change  
NEWS 22 DEC 17 USPATOLD added to additional database clusters  
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN  
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences  
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment  
NEWS 26 DEC 17 MEDLINE and LMEEDLINE updated with 2008 MeSH vocabulary  
NEWS 27 DEC 17 CA/Caplus enhanced with new custom IPC display formats  
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD  
NEWS 29 JAN 02 STN pricing information for 2008 now available  
  
NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 20:17:19 ON 06 JAN 2008

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.63	0.63

FILE 'REGISTRY' ENTERED AT 20:19:11 ON 06 JAN 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES:	4 JAN 2008	HIGHEST RN 960040-46-4
DICTIONARY FILE UPDATES:	4 JAN 2008	HIGHEST RN 960040-46-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10590549.str



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chain nodes :
6 7 8 11 12 14 15
ring nodes :
1 2 3 4 5
chain bonds :
1-12 2-11 3-6 4-15 5-14 6-7 7-8
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-12 2-3 2-11 3-4 3-6 4-5 4-15 5-14
exact bonds :
6-7 7-8

```

G1:H,Cb,Ak

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 11:CLASS
12:CLASS 14:CLASS 15:CLASS

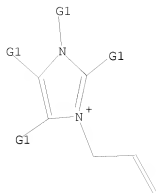
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L1        STRUCTURE UPLOADED

```

=> d
L1 HAS NO ANSWERS
L1            STR

```



G1 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 20:19:30 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 344571 TO ITERATE

100.0% PROCESSED 344571 ITERATIONS

325 ANSWERS

SEARCH TIME: 00.00.06

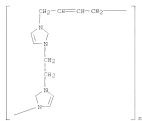
L2 325 SEA SSS FUL L1

=> d l2 1-10

```

L2 NUMBER 1 OF 325 REGISTRY COPYRIGHT 2008 ACS on STM
H1 95100-95-9 REGISTRY
ED Entered STM: 31 Oct 2007
CN Poly(3E-imidazolium-1,3-diyl-1,2-ethanedyl-1N-imidazolium-3,1-diyl-2-
butene-1,4-diyl) (CA INDEX NAME)
MF [C12 H16 N4]
CI PMS, COM
PCT Polyaniline, Polyionane
SR CA

```



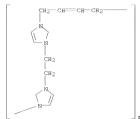
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

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L2 NUMBER 2 OF 2. REGISTRY COPYRIGHT 2008 ACS on STM
LN 952048-00-7 REGISTRY
ED Entered STM: 30 Oct 2007
CN Poly[1H-imidazolium-1,3-diy-1,2-ethanediyl-1H-imidazolium-1,3-diy-2-
butene-1,4-diy bromide (1:2)] (CA INDEX NAME)
MF (C12 H14 N4)n . 2 Br
CF (C12 H14 N4 . 2 Br)n
AI PMS
PCT Polyamine, Polyionene
SE CA
LC STM Files: CA, CAPAS

```

\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*  
 CRN (952180-95-9)

 $\bullet_{\text{H}} \text{Hg}^{++}$ 

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

- 1 REFERENCES IN FILE CA (1987 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1987 TO DATE)

```

L2  ARSNER 3 OF 3: REGISTRY COPYRIGHT 2009 ACS on STM
N1  940353-04-6 REGISTRY
CN  Entered STM: 27 Sep 2007
ID  18-indazoleium, 1,5'-[2-butene-1,4-diyl]bis[3-(phenylmethyl)- (CA INDEX
    NAME)
MF  C24 H26 N4
CI  COM
SR  CA

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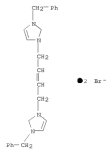


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

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L2 ANSWER 4 OF 325 REGISTRY COPYRIGHT 2008 ACS on STN
NR 948315-43-1 REGISTRY
ED Entered STN: 27 Sep 2007
CN 18-Imidazoline, 1,1'-(2-butene-1,4-diyl)bis[3-(phenylmethyl)-, bcomde
(1:2) (CA INDEX NAME)
MF C24 H26 N4 . 2 Br
SR CA
LC STN Files: CA, CAPLOS, CASREACT
CNR (948353-04-6)

```



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 325 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 945732-42-3 REGISTRY  
 ED Entered STN: 29 Aug 2007  
 CN 18-Imidazolium, 1-methyl-3-(2-propen-1-yl)-, tetrafluoroborate(1-) (111)  
 [CA INDEX NAME]  
 MF CR R13 R2 - E P4  
 SA CA  
 LC STN Files: CA, CAPLUS

CM 3  
 CHH 651234-10-6  
 CHF CR R13 R2



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CM 2  
 CHH 14974-70-5  
 CHF R P4  
 CCT CCS



1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 325 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 945559-83-5 REGISTRY  
 ED Entered STN: 14 Aug 2007  
 CN 18-Imidazolium, 1,1,3-trimethyl-3-(2-propen-1-yl)-, bromide (111) (CA  
 INDEX NAME)  
 MF CR R24 R2 - Br  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT  
 CNH (944643-04-3)



• Br-

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

\*\*PROPERTY DATA AVAILABLE IN THE 'PW01' FORMAT\*\*  
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

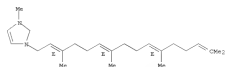
L2 ANSWER 6 OF 325 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 944643-04-3 REGISTRY  
 ED Entered STN: 14 Aug 2007  
 CN 18-Imidazolium, 1,4,5-trimethyl-3-(2-propen-1-yl)- (CA INDEX NAME)  
 MF CR R15 R2  
 CI COM  
 SA CA



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L2 ANSWER 8 OF 325 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 943298-51-9 REGISTRY  
 ED Entered STN: 24 Jul 2007  
 CN 18-Imidazolium, 1-methyl-3-[[[1E,6E,10E]-3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraen-1-yl]- (CA INDEX NAME)  
 FE STEREOBOND  
 MF C24 R39 R2  
 CI COM  
 SA CA

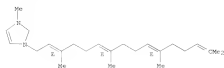
Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L2 NUMBER 9 OF 325 REGISTRY COPYRIGHT 2008 ACS on STM  
 RN 941211-34-6 REGISTRY  
 ED Entered STM: 24-Jul-2007  
 CH 1E-Indazolum, 1-methyl-3-((2E,6E,10E)-3,7,11,15-tetramethyl-2,6,10,14-  
 heptadeca-2,6,10,14-tetrayl-), bromide (1:1) (CA INDEX NAME)  
 TS STEREOISOMER  
 MF C14 H19 Br . Br  
 SS CA  
 LC STM Files: CA, CAPLUS, CASREACT  
 CHN 1941211-34-6

Double bond geometry as shown.



● Br<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 NUMBER 10 OF 325 REGISTRY COPYRIGHT 2008 ACS on STM  
 RN 936910-59-0 REGISTRY  
 ED Entered STM: 29-May-2007  
 CH 1E-Indazolum, 3-ethenyl-1-(2-methyl-2-propen-1-yl)-,  
 triafluroborate(1-), (1:1) (CA INDEX NAME)  
 MF C17 H17 BF3  
 SS CA  
 LC STM Files: CA, CAPLUS

CH 1  
 CHN 936910-59-0  
 CHF C9 H17 BF3



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

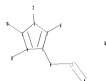
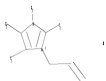
CH 2  
 CHN 14074-70-5  
 CHF B F4  
 CCI CCl3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Uploading C:\Program Files\Stnexp\Queries\10590549a.str



```

chain nodes :
6 7 8 11 12 14 15 16
ring nodes :
1 2 3 4 5
chain bonds :
1-12 2-11 3-6 4-15 5-14 6-7 7-8
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-12 2-3 2-11 3-4 3-6 4-5 4-15 5-14
exact bonds :
6-7 7-8

```

G1:H, Cb, Ak

Match level :

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1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 11:CLASS
12:CLASS 14:CLASS 15:CLASS 16:CLASS
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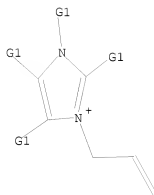
L3 STRUCTURE UPLOADED

 $\Rightarrow d$ 

L3 HAS NO ANSWERS

L3 STR





A

G1 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 13 full

FULL SEARCH INITIATED 20:24:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 344571 TO ITERATE

100.0% PROCESSED 344571 ITERATIONS

12 ANSWERS

SEARCH TIME: 00.00.06

L4

12 SEA SSS FUL L3

=> d 14 1-12

L4 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2008 ACS on STM  
 EN 905293-15-4 REGISTRY  
 ED Entered STM: 29 Aug 2006  
 CN 1H-Indazolum, 1-(2-propenyl)-3-(4-azulobutyl)-, inner salt (PCI) (CA  
 INDEX NAME)  
 MF C15 H18 N2 O3 S  
 SA CA  
 LC STM Files: CA, CAPLUS



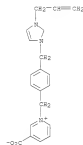
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2008 ACS on STM  
 EN 905293-13-2 REGISTRY  
 ED Entered STM: 29 Aug 2006  
 CN 1H-Indazolum, 1-(2-propenyl)-3-(3-sulfopropyl)-, inner salt (PCI) (CA  
 INDEX NAME)  
 MF C9 H14 N2 O3 S  
 SA CA  
 LC STM Files: CA, CAPLUS



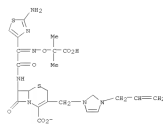
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2008 ACS on STM  
 EN 759410-31-2 REGISTRY  
 ED Entered STM: 09 Oct 2004  
 CN Pyridanium, 3-carboxy-1-[[4-[[3-(2-propenyl)-1H-imidazolium-1-yl]methyl]phenyl]methyl]-, mono(inner salt) (PCI) (CA INDEX NAME)  
 MF C23 H20 N2 O2  
 CI COM  
 SA CA



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

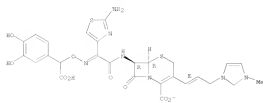
L4 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2008 ACS on STM  
 EN 749009-46-3 REGISTRY  
 ED Entered STM: 22 Sep 2004  
 CN 1H-Indazolum, 1-[[[18,7)-7-[[[(2E)-(2-amino-4-thiatolyl)](2-carboxy-1-methylthio)amino]acetyl]amino]-2-carboxy-3-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-(2-propenyl)-, inner salt (PCI)  
 (CA INDEX NAME)  
 MF C23 H25 N7 O7 S2  
 CI COM  
 SA CA



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

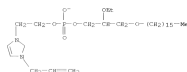
L4 ANWER 5 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 M0 155871-46-8 REGISTRY  
 ED Entered STN: 22-Jun-1994  
 CN 18-Imidazolium, 1-[[3-[[7-[[[2-amino-4-thiazolyl]](carboxy)[3,4-dihydroxyphenyl]methoxy]amino]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-on-3-yl]-3-propenyl]-3-methyl-, inner salt, [48-13(E),6a,7(F)]- (9CI) (CA INDEX NAME)  
 FS STEREOBOND  
 MF C17 H25 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.  
 Double bond geometry as described by E or Z.



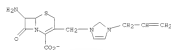
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANWER 6 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 M0 113521-14-5 REGISTRY  
 ED Entered STN: 18-Mar-1988  
 CN 18-Imidazolium, 1-(7-ethoxy-4-hydroxy-4-oxido-3,5,9-trioxo-6-phosphapentaco-1-yl)-3-(2-propenyl)-, inner salt (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 18-Imidazolium,  
 1-(7-ethoxy-4-hydroxy-3,5,9-trioxo-4-phosphapentaco-1-yl)-3-(2-propenyl)-, inner salt, P-oxide  
 MF C29 H35 H2 O8 P  
 SA CA  
 LC STN Files: BELISTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



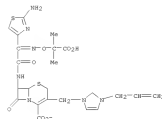
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L4 ANWER 7 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 M0 108413-09-8 REGISTRY  
 ED Entered STN: 30-May-1987  
 CN 18-Imidazolium,  
 1-[[[7-amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-on-3-yl]methyl]-3-(2-propenyl)-, inner salt, (E)-trans- (9CI) (CA INDEX NAME)  
 MF C14 H16 N4 O5 S  
 SA CA  
 LC STN Files: CA, CAPLUS, OSPATFULL



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

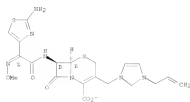
L4 ANWER 8 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 M0 108412-81-3 REGISTRY  
 ED Entered STN: 30-May-1987  
 CN 18-Imidazolium, 1-[[[7-[[[2-amino-4-thiazolyl]](1-carboxy-1-methylethoxy)amino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-on-3-yl]methyl]-3-(2-propenyl)-, inner salt, monopotassium salt, [E]-[6a,7(F)]- (9CI) (CA INDEX NAME)  
 MF C29 H35 N7 O7 S2 K  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT, OSPATFULL  
 C01 174880-44-3



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANWER 9 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-70-6 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Imidazolium, 1-[[1-[[2-amino-4-thiazolyl]methoxyimino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-(2-propenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
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 MF C23 H21 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

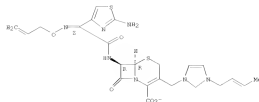
Absolute stereochemistry.  
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANWER 10 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-57-3 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Imidazolium, 1-[[1-[[2-amino-4-thiazolyl]-(2-propenyl)oxyimino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-5-(2-butenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
 FS STEREISOMER  
 MF C23 H25 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

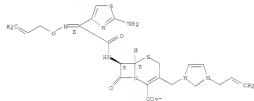
Absolute stereochemistry.  
 Double bond geometry as described by E or Z.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
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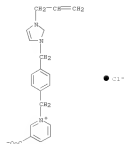
L4 ANWER 11 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-43-7 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Imidazolium, 1-[[1-[[2-amino-4-thiazolyl]-(2-propenyl)oxyimino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-(2-propenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
 FS STEREISOMER  
 MF C22 H23 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.  
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

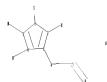
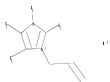
L4 ANWER 12 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 484264-02-8 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Pyridinium, 3-carboxy-1-[[4-[[3-(2-propenyl)-18-imidazolium-1-yl]methyl]phenyl]methyl]-, inner salt, chloride (9CI) (CA INDEX NAME)  
 MF C20 H20 N2 O3 · Cl  
 LC STN Files: CA, CAPLUS  
 CSM 1759412-31-2



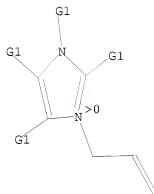
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

Uploading C:\Program Files\Stnexp\Queries\10590549b.str



chain nodes :  
6 7 8 11 12 14 15 16



A

G1 H,Cb,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 15 full

FULL SEARCH INITIATED 20:26:09 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 344571 TO ITERATE

100.0% PROCESSED 344571 ITERATIONS

SEARCH TIME: 00.00.06

12 ANSWERS

16 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 EN 905293-15-4 REGISTRY  
 ED Entered STN: 29 Aug 2006  
 CN 1H-Imidazolium, 1-(2-propenyl)-3-(4-azulobutyl)-, inner salt (SCI) (CA  
 INDEX NAME)  
 MF C15 H18 N2 O3 S  
 SA CA  
 LC STN Files: CA, CAPLUS



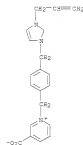
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 EN 905293-13-2 REGISTRY  
 ED Entered STN: 29 Aug 2006  
 CN 1H-Imidazolium, 1-(2-propenyl)-3-(3-sulfopropyl)-, inner salt (SCI) (CA  
 INDEX NAME)  
 MF C9 H14 N2 O3 S  
 SA CA  
 LC STN Files: CA, CAPLUS



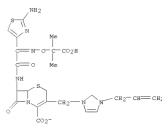
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 EN 759410-31-2 REGISTRY  
 ED Entered STN: 09 Oct 2004  
 CN Pyridanium, 3-carboxy-1-[4-[[3-(2-propenyl)-1H-imidazolium-1-yl]methyl]phenyl]methyl]-, mono(inner salt) (SCI) (CA INDEX NAME)  
 MF C23 H20 N2 O2  
 CI COM  
 CI  
 SR CA



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

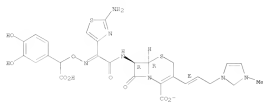
16 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 EN 749009-46-3 REGISTRY  
 ED Entered STN: 22 Sep 2004  
 CN 1H-Imidazolium, 1-[[[18,7)-7-[[[(2E)-(2-amino-4-thiatolyl)[(1-carboxy-1-methylthio)amino]acetyl]amino]-2-carboxy-3-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-3-(2-propenyl)-, inner salt (SCI)  
 (CA INDEX NAME)  
 MF C23 H25 N7 O7 S2  
 CI COM  
 CI  
 SR CA



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

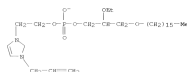
16 ANWER 5 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RE 115871-46-8 REGISTRY  
 ED Entered STN: 22-Jun-1994  
 CH 18-Imidazolium, 1-[[3-[[7-[[[2-amino-4-thiazolyl]](carboxy)[3,4-dihydroxyphenyl]methoxy]amino]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-3-yl]-3-propenyl]-3-methyl-, inner salt, [68-13(E),6a,7(F)]- (9CI) (CA INDEX NAME)  
 FS STEREOBOND  
 MF C17 H23 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.  
 Double bond geometry as described by E or Z.



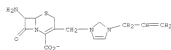
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 ANWER 6 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RE 113521-14-5 REGISTRY  
 ED Entered STN: 18-Mar-1988  
 CH 18-Imidazolium, 1-(7-ethoxy-4-hydroxy-4-oxido-3,5,9-trioxo-4-phosphapentaco-1-yl)-3-(2-propenyl)-, inner salt (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CH 18-Imidazolium,  
 1-(7-ethoxy-4-hydroxy-3,5,9-trioxo-4-phosphapentaco-1-yl)-  
 3-(2-propenyl)-, inner salt, P-oxide  
 MF C29 H35 H2 O8 P  
 SA CA  
 LC STN Files: BELISTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



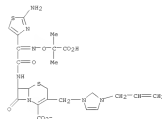
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 ANWER 7 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RE 108412-81-3 REGISTRY  
 ED Entered STN: 30-May-1987  
 CH 18-Imidazolium,  
 1-[[[7-amino-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-3-yl]methyl]-3-(2-propenyl)-, inner salt, (E-trans)- (9CI) (CA INDEX NAME)  
 MF C14 H16 N4 O5 S  
 SA CA  
 LC STN Files: CA, CAPLUS, OSPATFOLL



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

16 ANWER 8 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RE 108412-81-3 REGISTRY  
 ED Entered STN: 30-May-1987  
 CH 18-Imidazolium, 1-[[[7-[[[2-amino-4-thiazolyl]](1-carboxy-1-methylethoxy)amino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-3-yl]methyl]-3-(2-propenyl)-, inner salt, monopotassium salt, [E-[6a,7(F)]]- (9CI) (CA INDEX NAME)  
 MF C29 H35 N7 O7 S2 K  
 SA CA  
 LC STN Files: CA, CAPLUS, CASREACT, OSPATFOLL  
 CSM 1748809-66-3

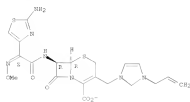


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)



16 ANWEX 9 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-70-6 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Indazolum, 1-[[7-[[[(2-amino-4-thiazolyl)[methoxyimino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-5-(2-propenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
 FS STEREISOMER  
 MF C23 H21 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CARLOS, CASREACT, USPATFULL

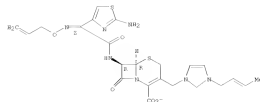
Absolute stereochemistry.  
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CARLOS (1907 TO DATE)

16 ANWEX 10 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-57-3 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Indazolum, 1-[[7-[[[(2-amino-4-thiazolyl)[(2-propenyl)imino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-5-(2-butenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
 FS STEREISOMER  
 MF C23 H25 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CARLOS, CASREACT, USPATFULL

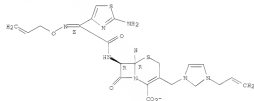
Absolute stereochemistry.  
 Double bond geometry as described by E or Z.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CARLOS (1907 TO DATE)

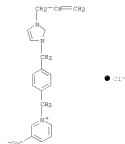
16 ANWEX 11 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 108412-43-7 REGISTRY  
 ED Entered STN: 30 May 1987  
 CN 18-Indazolum, 1-[[7-[[[(2-amino-4-thiazolyl)[(2-propenyl)imino]acetyl]amino]-2-carboxy-5-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-5-(2-propenyl)-, inner salt, [4S-[4a,7b(2)]]- (9CI) (CA INDEX NAME)  
 FS STEREISOMER  
 MF C22 H23 N7 O5 S2  
 SA CA  
 LC STN Files: CA, CARLOS, CASREACT, USPATFULL

Absolute stereochemistry.  
 Double bond geometry as shown.



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CARLOS (1907 TO DATE)

16 ANWEX 12 OF 12 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 84824-02-8 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Pyridinium, 3-carboxy-1-[[4-[[[(2-propenyl)-18-indazolum-1-yl]methyl]phenyl]methyl]-, inner salt, chloride (9CI) (CA INDEX NAME)  
 MF C20 H20 N2 O3 · Cl  
 LC STN Files: CA, CARLOS  
 CSM 1759412-31-2



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CARLOS (1907 TO DATE)

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
607.68	608.31

FILE 'CAPLUS' ENTERED AT 20:26:53 ON 06 JAN 2008  
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FILE COVERS 1907 - 6 Jan 2008 VOL 148 ISS 2  
FILE LAST UPDATED: 4 Jan 2008 (20080104/ED)

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<http://www.cas.org/infopolicy.html>

17 ANMER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STM  
 ACCESSION NUMBER: 2006179994 CAPLUS  
 DOCUMENT NUMBER: 149-210356  
 TITLE: Acidic ionic liquid-modified silica gel as novel solid catalysts for esterification and nitration reactions  
 AUTHORS (1): Qiao, Rui; Hagiwara, Rikaburo; Yokoyama, Chikaki  
 CORRESPONDING SOURCE: Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, 2-1-1 Katahira,  
 Sendai, 980-8577, Japan  
 SOURCE: Journal of Molecular Catalysis A: Chemical (2006), 246(1-2), 65-69  
 COUNTRY (IMCITY): JPN: 1301-3169  
 PUBLISHER: Elsevier  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB: Covalent bond immobilized ionic liqs. are prepared via radical chain transfer reaction of 1-(2-iodoethyl)imidazolium based ionic liqs. on modified silica gel and proven to be recyclable heterogeneous acidic catalysts for esterification and nitration reactions.  
 IT 905193-11-IP 905193-11-6P  
 RI 1-IP (Chemical) SPN (Synthetic preparation); PREP (Preparation); RACT (Reaction or reaction)  
 catalysts for esterification reaction of carboxylic acids with alcoh. and nitration reaction of arenes with ammonia.  
 RI 905193-11-2 CAPLUS  
 CI 16-Indanololium, 1-[2-propenyl]-3-[2-(4-oxopropyl)-], inner salt (9C1) (CA INDEX NAME)



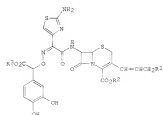
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE  
 RI 905193-11-4 CAPLUS  
 CI 16-Indanololium, 1-[2-propenyl]-3-[4-oxopropyl]-, inner salt (9C1) (CA INDEX NAME)



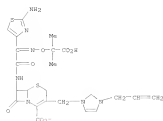
ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

17 ANMER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STM  
 ACCESSION NUMBER: 1994145176 CAPLUS  
 DOCUMENT NUMBER: 12135176  
 TITLE: Cephalosporins containing an  $\alpha$ -carboxy-3,4-dihydroxybenzylpyridinyl group, proceas and intermediates for their preparation, application as medicaments, and pharmaceutical compositions  
 PATENT ASSIGNER(S): F. Demandes, 57 pp.  
 SOURCE: CORDON PUBLISHER  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COMENT: French  
 PATENT INFORMATION: 2  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 FR 2614995 A1 19930519 FR 1993-15417 19931212  
 FR 2614995 B1 19950428  
 US 5397779 A 19950314 US 1992-987007 19921207  
 US 5371023 A 19941213 US 1993-36033 19930702  
 US 5441213 A 19960705 US 1995-449243 19950524  
 US 5391023 A 19950205 US 1996-623010 19960403  
 FR 1995-7493 A 19950515  
 US 1993-755110 B2 19930514  
 FR 1993-15417 A 19931212  
 US 1992-987007 A3 19921207  
 US 1993-104380 A3 19930613  
 US 1995-449243 A3 19950524

OTHER SOURCE(S): MARPAT 12135176  
 CI







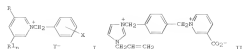
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ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

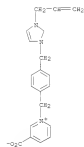
L7 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STM  
 ACCESSION NUMBER: 1983:53707 CAPLUS  
 DOCUMENT NUMBER: 98:53707  
 ORIGINAL REFERENCE NO.: 98:82574,82604  
 TITLE: Reaction products from pyridinium compounds and amino compounds, and an aqueous alkaline zinc bath containing them  
 INVENTOR(S): Street, Werner; Klahr, Erhard; Gotmann, Guntbert; Glaser, Klaus; Bettche, Albert  
 PATENT ASSIGNEE(S): BASF A.G., Fed. Rep. Ger.  
 SOURCE: Ger. Offen., 38 pp.  
 CDEHS: 060805  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	FIRD	DATE	APPLICATION NO.	DATE
DE 3114092	A1	19921104	DE 1981-3114092	19910408
PRIORITY APPL. INFO.:			DE 1983-3214092	19930409

GI



AB 1 R = CORR2, CORH, CO2-; R1 = H or Cl-4 alkyl; n = 1-4, X = Cl, R2; Y = alkyl Im. Thus, nicotinic acid was quaternized with p-(CH2R2)CER4, and the product treated with 1-allylpyridine to give II.  
 IT 8424-02-19  
 RI: SM (Synthetic preparation); PREP (Preparation)  
 (Preparation of, and use in zinc electroplating baths)  
 RI 8424-02-8 CAPLUS  
 CN Pyridinium, 3-carboxy-1-[[4-[[5-(2-propenyl)-1H-imidazolium-1-yl]methyl]phenyl]methyl]-, inner salt, chloride (DCI) (CA INDEX NAME)



• Cl<sup>-</sup>

ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	27.73	636.04
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.00	-4.00

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